

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)

Attorney Docket No.
000287-004830Serial No.:
08/709,965

Applicant: PHILIP S. GREEN

Filing Date: 09/09/96

Group: 2615

Reference Designation

U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub-class	Filing Date (If Appropriate)
AA	3,818,125	06/74	Butterfield	178	6.5	
AB	3,921,445	11/75	Hill et al.	73	133R	
AC	3,923,166	12/02/75	Fletcher et al.	901	2	
AD	3,934,201	01/20/76	Majetski	381	14	
AE	4,349,837	09/14/82	Hinds	358	93	
AF	4,510,574	04/09/85	Guittet et al.	901	2	
AG	4,582,067	04/86	Silberstein	128	663	
AH	4,562,463	12/85	Lipton	358	88	
AI	4,583,117	08/86	Lipton et al.	358	92	
AJ	4,651,201	03/17/87	Schoolman	358	98	
AK	4,750,475	06/88	Yoshihashi	128	6	
AL	4,837,734	06/06/89	Ichikawa et al.	901	2	
AM	4,855,822	08/89	Narendar et al.	358	103	
AN	4,862,873	09/89	Yajima et al.	128	6	
AO	4,899,730	02/13/90	Stennert et al.	128	4	
AP	4,922,338	05/01/90	Arpino	358	93	
AQ	4,941,106	07/90	Krieger	364	513	
AR	4,942,539	07/90	McGee et al.	364	513	
AS	3,463,329	05/67	Gartner	214	1	
AT	2,815,697	12/57	A.E. Saunders-Singer	88	40	
AU	5,045,936	09/03/91	Lobb et al.	358	98	

FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub-class	Translation (yes/no)
AV	3806190 ✓	09/88	Germany	Ho4N	13/02	NO
AW	2040134 ✓	08/80	UK	H4F	—	YES
AX	0 595 291-A1 ✓	10/93	Europe	B25J	9/10	YES
AY	0 239 409 A1 ✓	03/87	Europe	A61F	9/00	YES
AZ	86 00852 ✓	01/86	France	B25J	11/00	NO
BA	2 460 762 ✓	01/79	France	B25J	3/02	NO
BB	28 19 976 ✓	05/78	Germany	F16M	1/00	NO
BC	0 291 292 A2 ✓	05/88	Europe	F16H	21/44	YES
BD	2117732 ✓	10/83	UK	B25J	9/00	YES

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BE	2 593 106	07/87 DEC France	B25J	11/00
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)				
BF	A.D. Alexander, IIE, "Impacts of Telemation on Modern Society", *, <u>1st CISM-IFTO MM SYMPOSIUM</u> , Vol. 2, pp. 122-136. (9/1973)			
BG	A.K. Bejczy et al, "Controlling Remote Manipulators Through Kinesthetic Coupling", 1983, <u>Computers in Mechanical Engineering</u> , pp. 48-60.			
BH	Fisher et al., "Virtual Interface Environment", 1986, <u>Proceedings IEEE/AIAA 7th Digital Avionics Systems Conference</u> , pp. 346-350.			
BI	Hald et al., "Telepresence, Time Delay and Adaptation", *, <u>Spatial Displays and Spatial Instruments Proceedings of a Conference sponsored by NASA Ames Research Center and the School of Optometry, Univ. of California</u> , pp. 28-1 through 28-16.			
BJ	Kim et al., "A Helmet Mounted Display for Telerobotics", 1988, <u>33 IEEE Computer Society International Conference, California</u> , pp. 543-547.			
BK	B. M. Jau, "Anthropomorphic Remoter Manipulator", 1991, <u>NASA Tech Briefs</u> , pg. 92. (4/91)			
BL	K. Matsushima, "Servo Micro Manipulator Tiny Micro Mark-1", 1982, <u>4th Symposium on Theory and Practice of Robots and Manipulators</u> , pp. 193-201.			
BM	R. Richter, "Telesurgery may Bridge Future Gaps", 1988, <u>Times Tribune</u> , Sunday, January 24, pp. A-1 and A-16.			
BN	E. H. Spain, "Stereo Advantage for a Peg-In-Hole Task Using Force-Feedback Manipulator", 1990, <u>Stereoscopic Displays and Applications</u> , pp. 244-254.			
BO	Tachi et al., "Tele-existence Master Slave System for Remote Manipulation", 1990, <u>Proceedings of the 29th Conference on Decision and Control</u> , Vol. 1 of 6, pp. 85-90.			
BP	"Introduction t a New Project for The National Research Development Program (Large-Scale Project) in FY 1991 - Micromachine Technology", 1991, <u>Agency of Industrial Science and Technology Ministry of International Trade and Industry, Japan</u> , pp. 1-11.			
BQ	"Another Pair of Hands for Surgeon?" 1972, <u>The Blue Cross magazine Perspective</u> , pg. 27.			

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1449.WP 4/95

Examiner

10/8/97

Date Considered

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~~3302~~ 2615

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Examiner Initial	Document No.	Date	Name	Class	Sub-class	Filing Date (If Appropriate)
<i>M</i> AA	1,418,184	05/30/22	Trunick	_____	_____	
<i>M</i> AB	2,901,258	08/25/59	Brandafi	_____	_____	
<i>M</i> AC	3,145,333	08/18/64	Pardini et al.	_____	_____	
<i>M</i> AD	4,113,115	09/12/78	Yoshio	_____	_____	
<i>M</i> AE	4,260,319	04/07/81	Motoda et al.	_____	_____	
<i>M</i> AF	4,264,266	04/28/81	Trechsel	_____	_____	
<i>M</i> AG	4,419,041	12/06/83	Rose	_____	_____	
<i>M</i> AH	4,562,463	12/31/85	Lipton	_____	_____	
<i>M</i> AI	4,636,138	01/13/87	Gorman	_____	_____	
<i>M</i> AJ	4,744,363	05/17/88	Hasson	_____	_____	
<i>M</i> AK	4,751,925	06/21/88	Tontarra	_____	_____	
<i>M</i> AL	4,762,455	08/09/88	Coughlan et al.	_____	_____	
<i>M</i> AM	4,808,898	02/28/89	Pearson	_____	_____	

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Mark Re DATE CONSIDERED *10/18/87*

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FORM PTO-1449 (Modified)

Attorney Docket No.
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Examiner Initial	Document No.	Date	Name	Class	Sub-class	Filing Date (If Appropriate)
M BA	4,873,572	10/10/89	Miyazaki et al.			
M BB	4,947,702	08/14/90	Kato			
M BC	5,002,418	03/26/91	McCown et al.			
M BD	5,020,933	06/04/91	Salvestro et al.			
M BE	5,060,532	10/29/91	Barker			
M BF	5,062,761	11/05/91	Glachet			
M BG	5,078,140	01/07/92	Kwoh			
M BH	5,096,236	03/17/92	Thony			
M BI	5,141,519	08/25/92	Smith et al.			
M BJ	5,142,930	09/01/92	Allen et al.			
M BK	5,219,351	06/15/93	Teubner et al.			
M BL	5,236,432	08/17/93	Matsen, III et al.			
M BM	5,253,706	10/19/93	Reid			
M BN	5,257,998	11/02/93	Ota et al.			
M BO	5,260,319	11/09/93	Effland et al.			
M BP	5,264,266	11/23/93	Yokoyama et al.			
M BQ	5,273,039	12/28/93	Fujiwara et al.			
M BR	5,279,309	01/18/94	Taylor et al.			
M BS	5,281,220	01/25/94	Blake, III			

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Alfred Lee

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CA	5,284,130	02/08/94	Ratliff			
CB	5,325,866	07/05/94	Krzyzanowski			
CC	5,339,799	08/23/94	Kami et al.			
CD	5,397,323	03/14/95	Taylor et al.			
CE	5,425,528	06/20/95	Rains et al.			
CF	5,441,505	08/15/95	Nakamura			
CG	5,474,566	12/12/95	Alesi et al.			
CH	5,480,409	01/02/96	Riza			
CI	5,636,138	06/03/97	Gilbert et al.			

FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub-class	Translation (yes/no)
CJ	4 213 426	10/29/92	Germany			Abstract
CK	482 439	01/30/70	Switzerland			No
CL	WO 92/16141	10/01/92	PCT			Yes

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.) Page 4 of 4			
<i>M</i> DA	Asada Haruhiko et al., "Development of a Direct-Drive Arm Using High Torque Brushless Motors," Chapter 7, pp. 583-599.		
<i>M</i> DB	Guerrouad Aicha et al., "S.M.O.S.: Stereotaxical Microtelemanipulator for Ocular Surgery," <i>IEEE Engineering in Medicine & Biology Society</i> , 11th Annual International Conference, 1989, Medical Applications of Robotics, Track 16: Biorobotics, pp. 879-880.		
<i>M</i> DC	Kazerooni H., "Design and Analysis of the Statically Balanced Direct-Drive Robot Manipulator," <i>Robotics & Computer-Integrated Manufacturing</i> , 1989, Volume 6, Number 4, pp. 287-293.		
<i>M</i> DD	Ng. W. S. et al., "Robotic Surgery," <i>IEEE Engineering in Medicine and Biology</i> , March 1993, pp. 120-125.		
<i>M</i> DE	Taubes Gary, "Surgery in Cyberspace," <i>Discover</i> , December 1994, pp. 85-92.		
<i>M</i> DF	Taylor Russell H. et al., "A Telerobotic Assistant for Laparoscopic Surgery," <i>Engineering in Medicine and Biology</i> , May-June 1995, pp. 279-288.		
<i>M</i> DG	Trevelyan James P. et al., "Motion Control for a Sheep Shearing Robot," <i>IEEE Robotics Research Conference</i> , the 1st International Symposium, Carroll, NH, USA, Conference Date: August 25, 1983, Conference No. 05357, Publication by MIT Press, pp. 175-190.		
EXAMINER	<i>Stan Lee</i> DATE CONSIDERED <i>10/8/97</i>		

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